

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-52 (Cancelled)

Claim 53 (New): An isolated or purified polynucleotide which is at least 95% identical to SEQ ID NO: 1; or a fragment thereof that allows the heterologous expression in a host cell of at least one polypeptide of Cyanophage S-2L.

Claim 54 (New): The polynucleotide of claim 53 that comprises SEQ ID NO: 1.

Claim 55 (New): The polynucleotide of claim 53 in a form that allows the heterologous expression of at least one portion of the Cyanophage S-2L genome in a host cell.

Claim 56 (New): The polynucleotide of claim 53 in a form that allows the heterologous expression in a host cell of at least one polypeptide of Cyanophage S-21.

Claim 57 (New): The polynucleotide of claim 53 that is at least 99% identical to SEQ ID NO: 1 in a form which allows the heterologous expression in a host cell of at least one polypeptide of Cyanophage S-2L.

Claim 58 (New): The polynucleotide of claim 53 that comprising a fragment of SEQ ID NO.1, wherein said polynucleotide fragment allows the heterologous expression of at least one portion of the Cyanophage S-2L genome in a host cell.

Claim 59 (New): The polynucleotide of claim 53 comprising a polynucleotide at least 95% identical to a fragment of SEQ ID NO.1, wherein said fragment allows the heterologous expression of a polypeptide of Cyanophage S-2L in a host cell.

Claim 60 (New): The polynucleotide of claim 53 comprising a polynucleotide sequence at least 98% identical to a fragment of SEQ ID NO.1, wherein said fragment allows the heterologous expression of a polypeptide of Cyanophage S-2L in a host cell.

Claim 61 (New): The polynucleotide of claim 53 which contains a fragment of SEQ ID NO: 1 consisting of 20 to 450 consecutive nucleotides of SEQ ID NO: 1.

Claim 62 (New): The polynucleotide of claim 53 which contains a fragment of SEQ ID NO: 1 consisting of 150 to 450 consecutive nucleotides of SEQ ID NO: 1.

Claim 63 (New): A vector comprising the polynucleotide of claim 53.

Claim 64 (New): A host cell transformed with the polynucleotide of claim 53.

Claim 65 (New): A process for producing a Cyanophage S-2L polypeptide comprising expressing said polypeptide in the host cell of claim 64.

Claim 66 (New): An isolated or purified polynucleotide:

which hybridizes under high stringency conditions with SEQ ID NO.1 or a fragment of SEQ ID NO.1 that allows the heterologous expression in a host cell of at least a portion of the Cyanophage S-2L genome; or

which hybridizes under high stringency conditions with the full complement of SEQ ID NO: 1 or a fragment of SEQ ID NO.1 that allows the heterologous expression in a host cell of at least a portion of the Cyanophage S-2L genome;

wherein said high stringency conditions comprise washing at 0.1x SSC and 0.1% SDS at 60°C.

Claim 67 (New): The polynucleotide of claim 63 which is a fragment of SEQ ID NO: 1 consisting of 20 to 450 consecutive nucleotides of SEQ ID NO: 1.

Claim 68 (New): The polynucleotide of claim 63 which is a fragment of SEQ ID NO: 1 consisting of 150 to 450 consecutive nucleotides of SEQ ID NO: 1.

Claim 69 (New): A vector comprising the polynucleotide of claim 63.

Claim 70 (New): A host cell transformed with the polynucleotide of claim 63.

Claim 71 (New): A process for producing a Cyanophage S-2L polypeptide comprising expressing said polypeptide in the host cell of claim 70.